

Abstract

An evaporative type medium condenser without the using of conventional cooling fins comprises: characteristically a plurality of streamline cross sectional bare metal tubes disposed in parallel for medium coils to instead the conventional round sectional tubes thereof; a recycling water supply system having a plurality of water spray nozzles for spraying fine water particles onto the surface of coil tubes formed a water film continuously held thereon; a fan system to provide a wind flow blowing over the streamline tubes in a direction from a large head front portion of the streamline cross section to a gradual reduced rear portion thereof and to provide a low pressure area thereat so as to speedy the evaporation of the water film on the surface of the coils tubes for improving a high cooling efficiency to reach a high E.E.R. therefore.